

**IN THE ABSTRACT:**

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

In a method for estimating the position of a subscriber station of a radio communication system, a receiver station receives reports from the subscriber station, said reports containing information relating to the signal strength of a receiving signal of at least one transmitting station in the locality of the subscriber station. The reports are stored in a memory of a network device of the radio communication system and a position determining unit takes into account at least two reports stored prior to the request for position estimation, in order to estimate the position of the subscriber station.